

MULTISTAGE CENTRIFUGAL COMPRESSOR

Abstract

Multistage centrifugal compressor comprising at least one stage 10 which, in turn, comprises a lower half-tank 11, an upper half-tank 12, a series of lower half-diaphragms 16, a shaft 13 equipped with a series of rotors 14, a series of upper half-diaphragms 18, a lower suction half-diaphragm 51, an upper suction half-diaphragm 52, the lower suction half-diaphragm 51 and the upper suction half-diaphragm 52 include a portion 71 and a portion 72, respectively, suitable for being coupled with the lower half-diaphragms 16 and with the upper half-diaphragms 18, respectively, to form a first pile 41 of lower half-diaphragms 16 and a second pile 42 of upper half-diaphragms 18, respectively.